



Atty. Docket No. 042390.P9770

Receipt
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of:

Gilbert Neiger, et al.

Application No.: 09/752,134

Filed: December 27, 2000

For: NEW PROCESSOR MODE FOR LIMITING THE
OPERATION OF GUEST SOFTWARE RUNNING
ON A VIRTUAL MACHINE SUPPORTED BY A
VIRTUAL MACHINE MONITOR

Examiner: Not Yet Assigned

Art Unit: 2186

RECEIVED
DEC 04 2002
Technology Center 2100

Assistant Commissioner for Patents
Washington, D.C. 20231

REQUEST FOR CORRECTION OF FILING RECEIPT

Dear Sir:

In the Filing Receipt for the above-referenced patent application filed on December 27, 2000, the title was recorded incorrectly as follows:

PROCESSOR MODE FOR LIMITING THE OPERATION OF GUEST SOFTWARE
RUNNING ON A VIRTUAL MACHINE SUPPORTED BY A VIRTUAL MACHINE
MONITOR

The correct title is as follows:

NEW PROCESSOR MODE FOR LIMITING THE OPERATION OF GUEST SOFTWARE
RUNNING ON A VIRTUAL MACHINE SUPPORTED BY A VIRTUAL MACHINE
MONITOR

The information was provided on the cover sheet and page 1 of the specification.
Enclosed please find a copy of the Filing Receipt with the change noted thereon and a copy of the
cover sheet and page 1 of the specification.

Applicant believes no fee is due, however, if a fee is due, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Dated: 11-8, 2002

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FIRST CLASS CERTIFICATE OF MAILING (37 C.F.R. § 1.8(a))

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231 on: 11/8/02

Date of Deposit

Michelle Begay

Name of Person Mailing Correspondence

Michelle Begay

Signature

11/8/02

Date



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Page 1 of 3

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/752,134	12/27/2000	2186	1020	042392.P9770	9	30	3

008791

BLAKELY SOKOLOFF TAYLOR & ZAFMAN
12400 WILSHIRE BOULEVARD, SEVENTH FLOOR
LOS ANGELES, CA 90025RECEIVED
SEP 20 2001

CONFIRMATION NO. 8719

DATED FILING RECEIPT



OC000000006547496*

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN
LOS ANGELES

Date Mailed: 09/13/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

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SEP 21 2001
STATUS DB-LA

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted 02/06/2001

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No

Title

New

Processor mode for limiting the operation of guest software running on a virtual machine supported by a virtual machine monitor

ENTERED
9/25/2001



UNITED STATES PATENT AND TRADEMARK OFFICE

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UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, DC 20231
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APPLICATION NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
09/752,134	12/27/2000	Gilbert Neiger	042392.P9770

CONFIRMATION NO. 8719

008791
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OC000000009132491

Date Mailed: 11/20/2002

RESPONSE TO REQUEST FOR CORRECTED FILING RECEIPT

Title of Invention

In response to your request for a corrected Filing Receipt, the Office cannot comply with your request because:

- ☐ The articles such as "a," "an", and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- ☒ The words "new," "improved," "improvement of," "improvement in", or "improvement relating to" are not included as the first words in the title of an application because a patent application is, by nature, a new idea or improvement. See MPEP 606.
- ☐ The title may be truncated if it consists of more than 500 characters (letters and spaces combined).
- ☐ Superscript and subscript are not possible. These characters will appear on the same line.
- ☐ The title appears on the filing receipt in sentence case for publication in the Annual Index of Patents.
- ☐ The title of the invention was captured as provided by applicant on the first page of the specification. An amendment is needed to make this change.

Customer Service Center
Office of Initial Patent Examination
(703) 308-1202

UNITED STATES DESIGN PATENT APPLICATION

FOR

NEW PROCESSOR MODE FOR LIMITING THE OPERATION OF GUEST
SOFTWARE RUNNING ON A VIRTUAL MACHINE SUPPORTED BY A VIRTUAL
MACHINE MONITOR

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EXPRESS MAIL CERTIFICATE OF MAILING

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Date of Deposit December 27, 2000

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Michelle Begay

(Typed or printed name of person mailing paper or fee)

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(Signature of person mailing paper or fee)

NEW PROCESSOR MODE FOR LIMITING THE OPERATION OF GUEST SOFTWARE RUNNING ON A VIRTUAL MACHINE SUPPORTED BY A VIRTUAL MACHINE MONITOR

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Field of the Invention

The present invention relates generally to virtual machines, and more specifically to providing processor support for a virtual-machine monitor.

Background of the Invention

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A conventional virtual-machine monitor (VMM) typically runs on a computer and presents to other software the abstraction of one or more virtual machines. Each virtual machine may function as a self-contained platform, running its own "guest operating system" (i.e., an operating system hosted by the VMM). The guest operating system expects to operate as if it were running on a dedicated computer rather than a virtual machine. That is, the guest operating system expects to control various computer operations and have access to hardware resources during these operations. The hardware resources may include processor-resident resources (e.g., control registers) and resources that reside in memory (e.g., descriptor tables).

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However, in a virtual-machine environment, the VMM should be able to have ultimate control over these resources to provide proper operation of virtual machines and protection from and between virtual machines. To achieve this, the VMM typically intercepts and arbitrates all accesses made by the guest operating system to the hardware resources.